

# Education



**ESRL Physical Sciences Division  
Science Review  
May 12-14, 2015**

# PSD Education Activities

## Instruction

PSD Staff	Institution	Department	Course(s)	Dates
Michael Alexander	University of Colorado, Boulder	ATOC	Oceanography Seminar	8/2012-12/2012
Michael Alexander	University of Colorado, Boulder	ATOC	Physical Oceanography	Multiple individual classes, 2010-2015
Alfred Bedard	University of Colorado	Engineering School Teach for Aero and ME Departments	Piloted a new design course in the 1990's with a small section of students. Half of the CU engineering students now take this course, which has increased retention rates, particularly for female and minority students.	1994 to current GEEN1400
Gijs de Boer	University of Alaska, Fairbanks	International Arctic Research Center	Summer school on modeling of the Arctic climate system	Summer 2011
Chengmin Hsu	University of Colorado, Denver	Civil Engineering	GIS Analyses (CVEN 5383): Instruction for the sections of "Python Programming" & "Spatial Statistics"	Feb. 2011 - Mar. 2011
Mimi Hughes	University of Colorado, Boulder	Atmospheric and Oceanic Sciences	Introduction to Weather and the Atmosphere	Fall 2014
Ben Livneh	University of Colorado, Boulder	Civil Engineering	Summer course on hydrologic modeling	2013-2014
Kelly Mahoney	University of Colorado, Boulder		Water in the Western US	April 2015 (1 video lecture)
Don Murray	Chinese Meteorological Administration Training Center		Second International Training Course on Regional Climate Prediction and Drought Monitoring	October 14-18, 2013
Ola Persson	University of Colorado	CIRES	K-12 teacher education workshop on Arctic processes	2/22/2014
Amy Solomon	NOAA	NOAA Barrow Observatory/Illisagvik Tribal College	STEM Camp	Summer 2013
Amy Solomon	University of Colorado, Boulder	Atmospheric and Oceanic Sciences	Graduate seminar on polar climate	Fall 2014
De-Zheng Sun	University of Colorado	ATOC	Climate Dynamics	Fall 2012
James Wilczak	European Union COST Action		Summer school on forecasting for renewable energy	2014
Daniel Wolfe	University of Colorado, Boulder	Geography	Climatology	4/4/2013
Daniel Wolfe	University of Colorado, Boulder	Geography	Climatology	4/8/2014

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Daniel Wolfe	University of Colorado, Boulder	Geography	Climatology	4/1/2012
Valery Zavorotny	University of Colorado, Boulder	Aerospace Engineering Department	Seminar class ASEN 5270: Progress in remote sensing using GNSS reflections	4/16/2014
Valery Zavorotny	University of Colorado, Boulder	Aerospace Engineering Department	Seminar class ASEN 5270: Remote sensing using GNSS bistatic radar of opportunity	4/1/2015

## Mentorship

PSD Staff	Student Name	Institution	Relationship	Dates
Michael Alexander	Laurie Trenary	University of Colorado	PhD Committee member	2010-2013
Michael Alexander	Jian Zheng	Ocean University, China	Hosted as a visiting scholar	2011-2013
Michael Alexander	Jiangling Yang	Ocean University, China	Hosted as a visiting scholar	3/2014-9/2014
Michael Alexander	Hillary Scannell	University of Maine	Masters Committee member	2014-2015
Michael Alexander	Richard Batemen	University of Colorado	PhD Committee member	2015
Robert Cifelli	Delbert Willie	Colorado State University	PhD Committee Member	2012-2015
Gijs de Boer	Nathaniel Miller	University of Colorado	PhD Committee Member	2014-present
Gijs de Boer	Tevis Nichols	University of Colorado	PhD Committee Member	2015-present
Barbara DeLuisi	Robert Hart	Metro State	Technical Advisor	Summer/Fall 2011
Barbara DeLuisi	Irfan Nadiadi	University of Colorado	Mentor	Summer 2011
Henry Diaz	Lauren Kaiser	University of Hawaii, Manoa	Masters Committee member	2013-2014
Henry Diaz	Ryan Longman	University of Hawaii, Manoa	PhD Committee Member	2013-2015
Henry Diaz	Abby Frazier	University of Hawaii, Manoa	Masters Committee member	2012-2014
Henry Diaz	Lauren Kaiser	University of Hawaii, Manoa	Masters Committee member	2013-2014
Christopher Fairall	Elizabeth Thompson	Colorado State University	PhD Advisor	2012-present
Christopher Fairall	Katherine McCaffrey	University of Colorado	PhD Advisor	2010-2014
Christopher Fairall	Alice Duvivier	University of Colorado	PhD Advisor	2011-present
Christopher Fairall	Patrick Boylan	University of Colorado	PhD Advisor	2010-2014
Thomas Hamill	Francisco Alvarez	St. Louis University	Ph.D. Committee Member	2012-2015

PSD Staff	Student Name	Institution	Relationship	Dates
Leslie Hartten	Aaron Piña	Texas A&M University	Research Mentor, UCAR's SOARS Program	Summer 2010
Leslie Hartten	Javier Lujan	University of Texas - El Paso	Research Mentor, UCAR's SOARS Program	Summer 2011
Leslie Hartten	Ma'Ko'Quah Jones	Dartmouth College	Research Mentor, UCAR's SOARS Program	Summer 2012
Leslie Hartten	Adrianna Hackett	University of Colorado	Writing and Communications Mentor, UCAR's SOARS Program	Summer 2013
Leslie Hartten	Paola S. Esteban Pérez	Colegio San José, Cajica, Columbia	Science Mentor, NCAR's Pre-College Internship Program (PRECIP)	Summer 2014
Leslie Hartten	Valerie M. Rodriguez Castro	University of Puerto Rico - Mayaguez	Science Mentor, NCAR's Pre-College Internship Program (PRECIP)	Summer 2015
Michael Hobbins	Daniel McEvoy	University of Nevada Reno	PhD Committee Member	2014-present
Michael Hobbins	(MS student of Prof. Jorge Ramirez)	Colorado State university	MS Committee Member	Start spring, 2015
Martin Hoerling	Colin Kelly	Columbia University	PhD Committee Member	2013-2014
Mimi Hughes	Samuel Elliott	University of Colorado	Advisor (undergraduate research)	2014-present
Mimi Hughes	Lee Fordyce	University of Colorado	Advisor (undergraduate research)	2011-2014
Paul Johnston	Paola S. Esteban Pérez	Colegio San José, Cajica, Columbia	Science Mentor, NCAR's Pre-College Internship Program (PRECIP)	Summer 2014
Paul Johnston	Valerie M. Rodriguez Castro	University of Puerto Rico - Mayaguez	Science Mentor, NCAR's Pre-College Internship Program (PRECIP)	Summer 2015
George Kiladis	2 students	Colorado State University	PhD Thesis Committee Member	2014-present
George Kiladis	3 students	State University of New York at Albany	PhD Thesis Committee Member	2012-present
George Kiladis	1 student	Courant Institute of Mathematical Sciences, New York University	PhD Thesis Committee Member	2012
George Kiladis	1 student	University of Victoria, British Columbia	PhD Thesis Committee Member	2011
George Kiladis	1 student	University of California, Santa Barbara	PhD Thesis Committee Member	2014-present
David Kingsmill	Raul Valenzuela	University of Colorado	PhD Advisor	2012-present

PSD Staff	Student Name	Institution	Relationship	Dates
Ben Livneh	Elizabeth Houle	University of Colorado	Masters Committee member	2014-2015
Ben Livneh	Mas Yanto	University of Colorado	PhD Committee Member	2014-Present
Ben Livneh	Peter Shellito	University of Colorado	Masters Committee member	2014-2015
Ben Livneh	Dominik Schneider	University of Colorado	Masters Committee member	2012-2015
Kelly Mahoney	Jennifer Tate	North Carolina State University	Master Committee Member	2013 - 2015
William Neff	Behrens	University of Auckland	PhD Thesis Committee Member	2010
William Neff	Strehz	University of Auckland	PhD Thesis Committee Member	2014
William Neff	Van Dam	University of Colorado	PhD Thesis Committee Member	2011-2013
William Neff	Miller	University of Colorado	PhD Thesis Committee Member	2014-present
William Neff	Duvivier	University of Colorado	PhD Thesis Committee Member	2012-2015
Cecile Penland	Ma'Ko'Quah Jones	Dartmouth College	Research Mentor, UCAR's SOARS Program	Summer 2012
Judith Perlwitz	1 student	University of California, Davis	PhD Thesis Committee	2012
Robert Pincus	Peter Hill	University of Reading	External examiner	2013
Imtiaz Rangwala	Justin Briggs	Stanford	Research Mentor	Summer 2010
Imtiaz Rangwala	Jessica Johnstone	Front Range Community College	Mentor, CIRES RECCS undergraduate summer internship	Summer 2014
Andrea Ray	Deanna Metivier	North Carolina State Univ...	Research Mentor, RESESS program with goal of increasing the diversity of students entering the geosciences. RESESS.unavco.org	Summer 2015
Matthew Shupe	Ben Castellani	University of Colorado	Masters Advisor	2011-2014
Matthew Shupe	Nathaniel Miller	University of Colorado	PhD Advisor	2013-present
Matthew Shupe	Michael Stone	University of Colorado	PhD Advisor	2015-present
Matthew Shupe	Samuel Dorsi	University of Colorado	Post-Doc Advisor	2013-2014
Amy Solomon	1 student	NOAA HIRO Program	Science Mentor	2011
James Wilczak	Rogier Floors	Danish Technical University	PhD Committee Member	2013
Robert Zamora	Andrea Thorstensen	St. Cloud State	NOAA Hollings Scholar	Summer 2010
Robert Zamora	Timothy Lahmers	California University of Pennsylvania	NOAA Hollings Scholar	Summer 2011

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Robert Zamora	Joseph Dougherty	Rose–Hulman Institute of Technology		Summer 2011
Robert Zamora	Kaethe Pheiffer	Rose–Hulman Institute of Technology		Summer 2011
Robert Zamora	Lucas Avery	Dennison University		Summer 2011
Robert Zamora	Charles Shobe	William and Mary	NOAA Hollings Scholar	Summer 2012
Robert Zamora	Carlos Sandoval	University of Colorado		Summer 2014
Valery Zavorotny	2 students	University of Colorado, Boulder	PhD Thesis Committee Member	2013-2015

## Appointments

PSD Staff	Institution	Title	Role	Dates
Michael Alexander	University of Colorado, ATOC department	Adjunct Faculty	Teach classes, advise students	7/2102-present
Alfred Bedard	University of Colorado	Adjunct Associate Professor Aerospace Engineering Sciences Department 1980 to present	Teach courses and advise students	Current
Alfred Bedard	University of Colorado	Adjunct Associate Professor Mechanical Engineering Department 2014 to present	Teach courses and advise students	Current
Randall Dole	Cornell University	Advisory Board, Earth and Atmospheric Sciences	Member	2008-present
George Kiladis	Colorado State University	Affiliate Faculty Member	Member	2014-present
Ben Livneh	CU-Boulder	Faculty Mentoring Students	Faculty Mentor	2013 - 2014
Kelly Mahoney	North Carolina State University	Adjunct Faculty	Advise students, graduate committee member	2013 - present
Andrea Ray	University of Colorado Environmental Studies	Adjunct	Advise students, guest lectures	2010-present
Ryan Spackman	Scripps Institution of Oceanography, University of California San Diego	Research Associate	Collaborative research on airborne field studies	2014 - present